# Wind Box DE500/ DC500

MS-6676 (V1.X) System

G52-66761X7



# TABLE OF CONTENTS

Copyright Notice	iii
Trademarks	iii
Revision History	iii
Upgrade and Warranty	iv
Acquisition of Replaceable Parts	iv
Technical Support	iv
FCC-B Radio Frequency Interference Statement	V
Safety Instructions	vi
WEEE Statement	viii
1. Overview	1-1
Packing Contents	1-2
System Overview	1-3
Mainboard Specifications	1-8
System Specifications	1-9
Component Replacement & Upgrade	1-10
2. Getting Started	2-1
Safety & Comfort Tips	2-2
Having Good Working Habits	2-3
Knowing the Keyboard (Optional)	2-4
Connecting Peripheral Devices	2-6
About Hard Disk Drive	2-10
Connecting Power	2-11
3. System Operations	3-1
System Booting Setup for the first time	3-2
Creating System Recovery Disk	3-3
Network Connection under Windows 7	3-9
RALINK Wireless LAN Connection (Optional)	3-14
SRS Premium Sound (Optional)	3-16
Power Management	3-18
System Recovery	3-20

## **Copyright Notice**

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## **Revision History**

Revision	Revision History	Date
V1.1	Windows 7 version	2011/ 03



## **Upgrade and Warranty**

Please note that certain components preinstalled in the product may be upgradable or replaceable by user's request. To learn more about upgrade limitation, please refer to the specifications in the User's Manual. For any further information about the product users purchased, please contact the local dealer. Do not attempt to upgrade or replace any component of the product if you are not an authorized dealer or service center, since it may cause the warranty void. It is strongly recommended that you contact the authorized dealer or service center for any upgrade or replace service.

## Acquisition of Replaceable Parts

Please be noticed that the acquisition of replaceable parts (or compatible ones) of the product users purchased in certain countries or territories may be fulfilled by the manufacturer within 5 years at most since the product has been discontinued, depending on the official regulations declared at the time.

■ Please contact the manufacturer via http://www.msicomputer.com/msi\_user/msi\_rma/ for the detailed information about the acquisition of spare parts.

## **Technical Support**

If a problem arises with your system and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please try the following help resources for further guidance.

- Visit the MSI website for FAQ, technical guide, BIOS updates, driver updates and other information via http://www.msi.com/index.php?func=service
- Ontact our technical staff via http://ocss.msi.com/

## FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protec-



tion against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the measures listed below:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

#### Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### Notice 2

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

#### VOIR LA NOTICE D'INSTALLATION AVANT DE RACCORDER AU RESEAU.



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. this device may not cause harmful interference, and
- 2. this device must accept any interference received, including interference that may cause undesired operation.



## Safety Instructions



Read the safety instructions carefully and thoroughly.

All cautions and warnings on the equipment or user's manual should be noted.



Keep the User's Guide that comes with the package for future reference.



Keep this equipment away from humidity and high temperature.



Lay this equipment on a reliable flat surface before setting it up.

The use of adapters P/N: Li Shin 0335A1965, Delta ADP-65HB BB, BesTec NA6501WB.



- Make sure that the power voltage is within its safety range and has been adjusted properly to the value of 100~240V before connecting the equipment to the power outlet. Do not disable the protective earth pin from the plug. The equipment must be connected to an earthed mains socket-outlet.
- Always unplug the AC power cord before installing any add-on card or module to the equipment.
- Always disconnect the AC power cord or switch the wall socket off if the equipment would be left unused for a certain time to achieve zero energy consumption.



The ventilator on the enclosure is used for air convection and to prevent the equipment from overheating. Do not cover the ventilator.



Do not leave the equipment in an unconditioned environment with a storage temperature above  $40^{\circ}$ C ( $120^{\circ}$ F) or below  $0^{\circ}$ C ( $32^{\circ}$ F), which may damage the equipment.



#### CAUTION:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.



Never pour any liquid into the opening that could damage or cause electrical shock.



Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.



When installing the coaxial cable to the TV Tuner, it is necessary to ensure that the metal shield is reliable connected to protective earthing system of the building.



Always keep the strong magnetic or electrical objects away from the equipment.

If any of the following situations arises, get the equipment checked by service personnel:



- The power cord or plug is damaged.
- Liquid has penetrated into the equipment.
- The equipment has been exposed to moisture.
- The equipment does not work well or you can not get it work according to user's manual.
- The equipment has dropped and damaged.
- The equipment has obvious sign of breakage.

Green Design and Recycling



- This equipment and the components are designed recyclable while it is no longer used.
- Disposing and recycling services are offered for this equipment in certain countries.
- Concerning recycling and disposing information, please contact the local distributor for further information.
- Visit the MSI website for further information via http://www.msi.com/index.php?func=html&name=service\_worldwide.
- The optical storage devices are classified as CLASS 1 LASER PRODUCT. Use of controls or adjustments or performance of procedures other than those specified is prohibited.
- 2. Do not touch the lens inside the drive.



#### 廢電池請回收

For better environmental protection, waste batteries should be collected separately for recycling or special disposal.



## **WEEE Statement**



(English) Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13, 2005, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.

(French) (Français) Au sujet de la directive européenne (EU) relative aux déchets des équipement électriques et électroniques, directive 2002/96/EC, prenant effet le 13 août 2005, que les produits électriques et électroniques ne peuvent être déposés dans les décharges ou tout simplement mis à la poubelle. Les fabricants de ces équipements seront obligés de récupérer certains produits en fin de vie.

(German) (Deutsch) Gemäß der Richtlinie 2002/96/EG über Elektro- und Elektronik-Altgeräte dürfen Elektro- und Elektronik-Altgeräte nicht mehr als kommunale Abfälle entsorgt werden, die sich auf 13.August, 2005 wirken. Und der Hersteller von bedeckt Elektronik-Altgeräte gesetzlich zur gebrachten Produkte am Ende seines Baruchbarkeitsdauer zurückzunehmen.

(Spanish) (Español) Bajo la directiva 2002/96/EC de la Unión Europea en materia de desechos y/o equipos electrónicos, con fecha de rigor desde el 13 de agosto de 2005, los productos clasificados como "eléctricos y equipos electrónicos" no pueden ser depositados en los contenedores habituales de su municipio, los fabricantes de equipos electrónicos, están obligados a hacerse cargo de dichos productos al termino de su período de vida.

(Italian) (Italiano) In base alla Direttiva dell'Unione Europea (EU) sullo Smaltimento dei Materiali Elettrici ed Elettronici, Direttiva 2002/96/EC in vigore dal 13 Agosto 2005, prodotti appartenenti alla categoria dei Materiali Elettrici ed Elettronici non possono più essere eliminati come rifiuti municipali: i produttori di detti materiali saranno obbligati a ritirare ogni prodotto alla fine del suo ciclo di vita.

(Russian) (Русский) В соответствии с директивой Европейского Союза (ЕС) по предотвращению загрязнения окружающей среды использованным электрическим и электронным оборудованием (директива WEEE 2002/96/EС), вступающей в силу 13 августа 2005 года, изделия, относящиеся к электрическому и электронному оборудованию, не могут рассматриваться как бытовой мусор, поэтому производители вышеперечисленного электронного оборудования обязаны принимать его для переработки по окончании срока службы.

(Turkish) (Türkçe) Avrupa Birliği (AB) Kararnamesi Elektrik ve Elektronik Malzeme Atığı, 2002/96/ EC Kararnamesi altında 13 Ağustos 2005 tarihinden itibaren geçerli olmak üzere, elektrikli ve elektronik malzemeler diğer atıklar gibi çöpe atılamayacak ve bu elektonik cihazların üreticileri, cihazların kullanım süreleri bittikten sonra ürünleri geri toplamakla yükümlü olacaktır.

(Greek) (Ελληνικά) Σύμφωνα με την Οδηγία 2002/96/ΕΚ της Ευρωπαϊκής Ένωσης («ΕΕ») περί Απόρριψης Ηλεκτρικού και Ηλεκτρονικού Εξοπλισμού (WEEE), η οποία λαμβάνει ισχύ στις 13 Αυγούστου 2005, τα προϊόντα «ηλεκτρικού και ηλεκτρονικού εξοπλισμού» δεν είναι δυνατόν να απορριφθούν πλέον ως κοινά απορρίμματα και οι κατασκευαστές κεκαλυμμένου ηλεκτρονικού εξοπλισμού είναι υποχρεωμένοι να πάρουν πίσω αυτά τα προϊόντα στο τέλος της ωφέλιμης ζωής τους.

(Polsh) (Polski) Zgodnie z Dyrektywą Unii Europejskiej ("UE") dotyczącą odpadów produktów elektrycznych i elektronicznych (Dyrektywa 2002/96/EC), która wchodzi w życie 13 sierpnia 2005, tzw. "produkty oraz wyposażenie elektryczne i elektroniczne " nie mogą być traktowane jako śmieci komunalne, tak więc producenci tych produktów będą zobowiązani do odbierania ich w momencie gdy produkt jest wycofywany z użycia.

(Hungarian) (Magyar) Az Európai Unió ("EU") 2005. augusztus 13-án hatályba lépő, az elektromos és elektronikus berendezések hulladékairól szóló 2002/96/EK irányelve szerint az elektromos és elektronikus berendezések többé nem kezelhetőek lakossági hulladékként, és az ilyen elektronikus berendezések gyártói kötelessé válnak az ilyen termékek visszavételére azok hasznos élettartama végén.

(Czech) (Čeština) Podle směrnice Evropské unie ("EU") o likvidaci elektrických a elektronických výrobků 2002/96/EC platné od 13. srpna 2005 je zakázáno likvidovat "elektrické a elektronické výrobky" v běžném komunálním odpadu a výrobci elektronických výrobků, na které se tato směrnice vztahuje, budou povinni odebírat takové výrobky zpět po skončení jejich životnosti.

(Traditional Chinese) (繁體中文) 歐盟已制訂有關廢電機電子設備法令,亦即自2005年8月13日生效的2002/96/EC,明文規定「電機電子設備產品」不可再以都市廢棄物處理,且所有相關電子設備製造商,均須在產品使用壽命結束後進行回收。

(Simplified Chinese) (简体中文) 欧盟已制订有关废电机电子设备法令,亦即自2005年8月13日生效的2002/96/EC,明文规定「电机电子设备产品」不可再以都市废弃物处理,且所有相关电子设备制造商,均须在产品使用寿命结束后进行回收。

(Japanese) (日本語) 2005年8月13日以降にEU加盟国を流通する電気・電子製品にはWEEE指令によりゴミ箱に×印のリサイクルマークの表示が義務づけられており、廃棄物として捨てることの禁止とリサイクルが義務づけられています。

(Korean) (한국어) 2005년 8월 13일자로 시행된 폐전기전자제품에 대한 유럽연합("EU") 지침, 지침 2002/96/EC에 의거하여, "전기전자제품"은 일반 쓰레기로 폐기할 수 없으며 제품의 수명이 다하면 해당 전자제품의 제조업체가 이러한 제품을 회수할 책임이 있습니다.

(Vietnam) (Tieng Viet) Theo Hướng dẫn của Liên minh Châu Âu ("EU") về Thiết bị điện & điện tử đã qua sử dụng, Hướng dẫn 2002/96/EC, vốn đã có hiệu lực vào ngày 13/8/2005, các sản phẩm thuộc "thiết bị điện và điện tử" sẽ không còn được vứt bỏ như là rác thải đô thị nữa và các nhà sản xuất thiết bị điện tử tuân thủ hướng dẫn sẽ phải thu hồi các sản phẩm này vào cuối vòng đời.



(Thai) (ไทย) ภายใต้ข้อกำหนดของสหภาพยุโรป ("EU") เกี่ยวกับของเสียจากอุปกรณ์ไฟฟ้า และอิเล็กทรอนิกส์ เลขที่ 2002/96/EC ซึ่งมีผลบังคับใช้ตั้งแต่วันที่ 13 สิงหาคม 2005 ผู้ใช้ไม่สามารถทั้งผลิ ตภัณฑ์ที่เป็น "อุปกรณ์ไฟฟ้าและอิเล็กทรอูนิกส์" ปะปนกับของเสียทั่วไปของชุมชนได้อีกต่อไป และผู้ผลิตอุป กรณ์อิเล็กทรอนิกส์ดังกล่าวจะถูกบังคับใหน่าผลิตภัณฑ์ดังกล่าวกลับคืนเมื่อ

สิ้นสุดอายุการใช้งานของผลิตภัณฑ์

(Indonesia) (Bahasa Indonesia) Sesuai dengan Regulasi Uni Eropa ("UE") perihal WEEE (Limbah Peralatan Listrik dan Elektronik), Directive 2002/96/EC, yang berlaku sejak 13, 2005, produk "peralatan listrik dan elektronik" tidak lagi dapat dibuang sebagai sampah umum dan pabrik peralatan elektronik diwajibkan untuk mengambil kembali produk tersebut pada saat masa pakainya habis.

(Serbian) (Srpski) Po Direktivi Evropske unije ("EU") o odbačenoj ekektronskoj i električnoj opremi, Direktiva 2002/96/EC, koja stupa na snagu od 13. Avgusta 2005, proizvodi koji spadaju pod "elektronsku i električnu opremu" ne mogu više biti odbačeni kao običan otpad i proizvođači ove opreme biće prinuđeni da uzmu natrag ove proizvode na kraju njihovog uobičajenog veka trajanja.

(Netherlands) (Nederlands) De richtlijn van de Europese Unie (EU) met betrekking tot Vervuiling van Electrische en Electronische producten (2002/96/EC), die op 13 Augustus 2005 in zal gaan kunnen niet meer beschouwd worden als vervuiling. Fabrikanten van dit soort producten worden verplicht om producten retour te nemen aan het eind van hun levenscyclus.

(Romanian) (Română) În baza Directivei Uniunii Europene ("UE") privind Evacuarea Echipamentului Electric și Electronic, Directiva 2002/96/EC, care intră în vigoare pe 13 august, 2005, produsele din categoria "echipament electric și electronic" nu mai pot fi evacuate ca deșeuri municipale, iar fabricanții echipamentului electronic vizat vor fi obligați să primească înapoi produsele respective la sfârsitul duratei lor de utilizare.

(Portuguese) (Português) De acordo com a Directiva 2002/96/EC de Resíduos de Equipamentos Eléctricos e Electrónicos da União Europeia (UE), efectiva desde o 13 de Agosto do ano 2005, os produtos de "equipamento eléctrico e electrónico" não podem ser descartados como resíduo municipal e os fabricantes do equipamento electrónico sujeitos a esta legislação estarão obligados a recolhar estes produtos ao finalizar sua vida útil.

(Swedish) (Svenska) Under Europeiska unionens ("EU") Weee-direktiv (Waste Electrical and Electronic Equipment), Direktiv 2002/96/EC, vilket trädde i kraft 13 augusti, 2005, kan inte produkter från "elektriska och elektroniska utrustningar" kastas i den vanliga hushållssoporna längre och tillverkare av inbyggd elektronisk utrustning kommer att tvingas att ta tillbaka sådan produkter när de är förbrukade.

(Finnish) (Suomi) Euroopan unionin (EU) 13.8.2005 voimaan tulleen sähkö- ja elektroniikkalaiteromua koskevan direktiivin 2002/96/EY mukaisesti "sähkö- ja elektroniikkalaitteita" ei saa enää hävittää talousjätteiden mukana. Direktiivin alaisen sähkö- tai elektroniikkalaitteen valmistajan on otettava laitteet takaisin niiden käyttöiän päättyessä.

(Slovak) (Slovenčina) Na základe smernice Európskej únie ("EU") o elektrických a elektronických zariadeniach číslo 2002/96/ES, ktorá vstúpila do platnosti 13. augusta 2005, výrobky, ktorými sú "elektrické a elektronické zariadenia" nesmú byť zneškodňované spolu s komunálnym odpadom a výrobcovia patričných elektronických zariadení sú povinní takéto výrobky na konci životnosti prevziať naspäť.

(Slovenian) (Slovenščina) Skladno z določili direktive Evropske unije ("EU") o odpadni električni in elektronski opremi, Direktiva 2002/96/ES, ki je veljavna od 13. avgusta, izdelkov "električne in elektronske opreme" ni dovoljeno odstranjevati kot običajne komunalne odpadke, proizvajalci zadevne elektronske opreme pa so zavezani, da tovrstne izdelke na koncu njihove življenjske dobe sprejmejo nazaj.

(Danish) (Dansk) I henhold til direktiv fra den europæiske union (EU) vedrørende elektrisk og elektronisk affald , Direktiv 2002/96/EC, som træder i kraft den 13. august 2005, må produkter som "elektrisk og elektronisk udstyr" ikke mere bortskaffes som kommunalt affald. Producenter af det pågældende, elektroniske udstyr vil være forpligtet til at tage disse produkter tilbage ved afslutningen på produkternes levetid.

(Norwegian) (Norsk) Under den europeiske unionens ("EU") direktiv om deponering av elektronisk og elektrisk utstyr, direktiv 2002/96/EC, som trer i effekt 13. august 2005, kan ikke produkter av "elektronisk og elektrisk ustyr" lenger deponeres som husholdningsavfall og fabrikantene av disse produktene er forpliktet å ta tilbake slike produkter ved slutten av produktets levetid.

(Bulgarian) (български) Според директивата на Европейския съюз относно отпадъците от електрическо и електронно оборудване, директива 2002/96/ЕС, важаща от 13 август, 2005 г., електрическо и електронно оборудване не може да се изхвърля заедно с битовите отпадъци и производителите на такова оборудване са задължени да приемат обратно съответните продукти в края на експлоатационния им период.

(Croatian) (Hrvatski) U okviru Direktive Europske Unije ("EU") o Otpadnim električnim i elektroničkim uređajima, Direktiva 2002/96/EC, koja je na snazi od 13. kolovoza 2005., "električni i elektronički uređaji" se ne smiju više bacati zajedno s kućnim otpadom i proizvođači su obvezni zbrinuti takve proizvode na kraju njihovog životnog vijeka.

(Estonia) (Eesti) Vastavalt Euroopa Liidu ("EL") direktiivile 2002/96/EÜ (elektri- ja elektroonikaseadmete jäätmete kohta), mis jõustus 13. augustil 2005, on keelatud kodumajapidamiste "elektri- ja elektroonikaseadmete" jäätmete hävitamine koos majapidamisjäätmetega, ja elektrija elektroonikaseadmete tootjad on kohustatud sellised tooted pärast nende kasutuselt kõrvaldamist tagasi võtma.

(Persian) (فارسسي)

اتحادیه اروپا) که از تاریخ 13 اگوست سال 2005 میلادی قابل اجراست ، کلیه شرکت های 2002/96/EC طبق قانون دفع زباله های الکتریکی و الکترونیکی (بند تولید کننده موظف به جمع اوری زباله محصولات خود پس از پایان دوره مصرف می باشند.

(Arabic) (العربية)

في إطار اتفاقية الإتحاد الأوربي ("الإتحاد الأوربي") التوجيه بشأن نفايات المعدات و الأجهزة الكهربائية والإلكترونية، توجيه 2002/96/EC للمجموعة الأوربية، الذي أصبح ساري المفعول في 13 أغسطس/آب، 2005، ان منتجات "أجهزة كهربائية والكترونية" لا يمكن التخلي عنها بوصفها نفايات، ومنتجو المعدات الالكترونية سيكون لزاما عليهم استرداد مثل هذه المنتجات في نهاية مدة صلاحيتها.



# Chapter 1 Overview

Congratulations for purchasing the Wind Box DE500/ DC500 (MS-6676) System. This system is your best slim PC choice. With the fantastic appearance and ultrasmall form factor, it can easily be set anywhere. The feature packed platform also gives you an exciting PC experience.



## PACKING CONTENTS



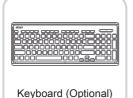










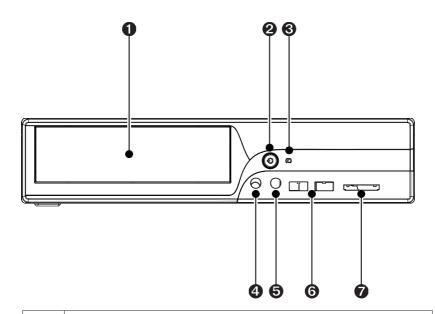




- \* Please contact us immediately if any of the items is damaged or missing.
- \* The picture is for your reference only and your packing contents may slightly vary depending on the model you purchased.

## SYSTEM OVERVIEW

# Front View



0 Optical Disk Drive Cover Press the cover to open the drive bay.

HDD LED O

- 2 Power Button/ LED U Press the power button to turn the system on and off. The power LE D glows when the system is turned on and goes off when the system is shut down. In terms of power saving, the LE D blinks in S3 (Suspend to RAM) mode and goes off in S4 (Suspend to Disk) mode. Pressing the system power button will wake the system up from power saving mode.
- 8

The HDD LED is on when data is read from or written to the hard disk drive.



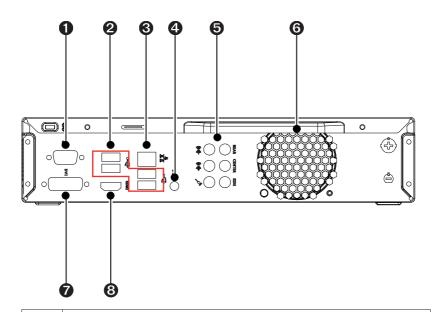
4 Headphone (Green) This is a connector for headphones or speakers. 6 Microphone (Pink) This is a connector for microphones. 6 USB Port ◆< The USB (Universal Serial Bus) port is for attaching USB devices such as mouse, keyboard, printer, scanner, camera, PDA and other USB-compatible devices Card Reader Drive MS (Optional) 7 The built-in card reader may support various types of memory card, such as XD (eXtreme Digital), SD (Secure Digital), SDHC (SD High Capacity), MS (Memory Stick), MS Pro (Memory Stick Pro) or MMC (Multi-Media Card) cards that usually used in devices like digital cameras, MP3 players, mobile phones and PDAs. Contact the local dealer for further information and please be noted that the supported memory cards may vary without notice.

# Important

We suggest that you connect the AC/DC adapter to your system first and then connect the AC power cord to the socket-outlet for safety concerns.

It is normal that the spark occurs when you put the power adapter into the socket-outlet.

# Rear View



● VGA Port (Output) □

The DB15-pin female connector is provided for monitor.

**2** USB Port •<₩

The USB (Universal Serial Bus) port is provided for attaching USB devices such as mouse, keyboard, printer, scanner, camera, PDA or other USB-compatible devices.



3

## LAN Jack 출

The standard RJ-45 LAN jack is provided for connection to the Local Area Network (LAN). You can connect a network cable to it.



LED	Color	LED State	Condition
Left	Yellow	Off	LAN link is not established.
		On (steady state)	LAN link is established.
		On (brighter & pulsing)	The computer is communicating with another computer on the LAN.
Right	Green	Off	10 Mbit/sec data rate is selected.
		On	100 Mbit/sec data rate is selected.
	Orange	On	1000 Mbit/sec data rate is selected.

4

#### Power Jack

The AC/ DC adapter converts AC power to DC power for this jack. Power supplied through this jack supplies power to your personal computer. To prevent damage to the PC, always use the supplied power adapter.

6

## Line-In (Blue)

Line-In, is used for external CD player, tapeplayer or other audio devices.

# Line-Out (Green)

Line-Out, is used for speakers or headphones.

## Mic (Pink)

Mic, is used for microphones.

## RS-Out (Black)

Rear-Surround Out in 4/5.1/7.1 channel mode.

# CS-Out (Orange)

Center/ Subwoofer Out in 5.1/7.1 channel mode.

# SS-Out (Gray)

Side-Surround Out in 7.1 channel mode.

**6** Ventilator

The ventilator on the enclosure is used for air convection and to prevent the equipment from overheating. Do not cover the ventilator.

**OVI-D Port (Optional)** 

The DVI-D (Digital Visual Interface) connector allows you to connect a LCD monitor. It provides a high-speed digital interconnection between the computer and its display device. To connect an LCD monitor, simply plug your monitor cable into the DVI-D connector, and make sure that the other end of the cable is properly connected to your monitor (refer to your monitor manual for more information.)

8 HDMI Port (Optional) HDMI

The High-Definition Multimedia Interface (HDMI) is an all-digital audio/video interface capable of transmitting uncompressed streams. HDMI supports all TV format, including standard, enhanced or high-definition video, plus multi-channel digital audio on a single cable.



## MAINBOARD SPECIFICATIONS

#### Processor

■ Intel® Atom<sup>TM</sup> Single/ Dual-Core processor D410/ D510 (Optional)

### Chipset

■ Intel® NM10 chipset

### Memory

- 2 DDR2 667 SO-DIMM slot (200 pins / 1.8V)
- Supports the maximum of 2GB

#### IAN

■ Gigabit Fast Ethernet by Realtek® RTL8111DL GbE controller

#### Audio

- Chip integrated by Realtek® ALC888S
- Compliant with Azalia 1.0 spec

#### Form Factor

■ 275mm x 170mm

## SYSTEM SPECIFICATIONS

#### Input / Output (I/O)

- 6 USB ports
- 6 audio jacks
- 1 VGA-out port
- 1 DC power jack
- 1 RJ-45 LAN jack
- 1 microphone jack
- 1 headphone/ speaker jack
- 1 HDMI port (Optional)
- 1 DVI-D port (Optional)

## **Power Supply**

- 65 watt AC/ DC adapter with active PFC
- Input: 100-240V~, 50-60Hz, 1.5A
- Output: 19V === 3.42A → ⊕ ⊕

#### **Built-In Card**

- 1 wireless LAN card (Optional)
- 1 TV tuner card (Optional)

#### **Built-In Drive**

- 1 card reader drive
- 1 hard disk drive (HDD)
- 1 optical disk drive (ODD)

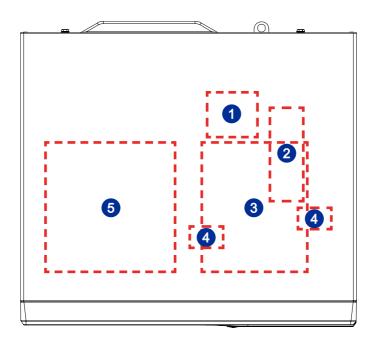
#### Dimension

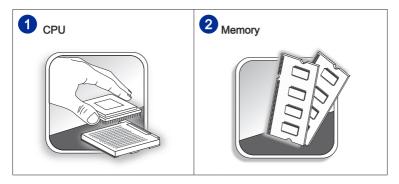
■ 300 mm (W) X 261 mm (H) X 65 mm (D)

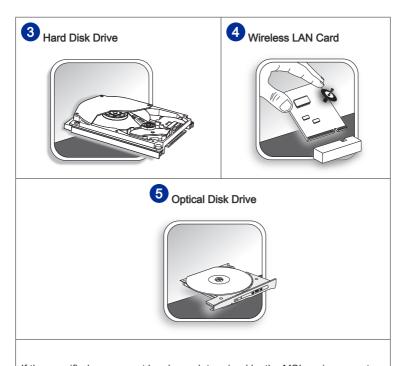


# COMPONENT REPLACEMENT & UPGRADE

Please note that certain components preinstalled in the product may be upgradable or replaceable by user's request depending on the models users purchased.







If the specified component has been determined by the MSI engineer or store as problematic or defective and may incur the need for replacement, you may bring the product for repair along with the warranty card, purchase invoice or receipt to the MSI-authorized service center closest to your location for assistance.

To learn more about upgrade limitation, please refer to the specifications in the User's Manual. For any further information on the product users purchased, please contact the local dealer.

Do not attempt to upgrade or replace any component of the product if you are not an authorized dealer or service center, since it may cause the warranty void. It is strongly recommended that you contact the authorized dealer or service center for any upgrade or replace service.



# Chapter 2 Getting Started

This chapter provides you with the information on hardware setup procedures. While connecting peripheral devices, be careful in holding the devices and use a grounded wrist strap to avoid static electricity.



## SAFETY & COMFORT TIPS

The Wind Box DE500/ DC500 is a portable platform that allows you to work anywhere. However, choosing a good workspace is important if you have to work with your PC for a long period of time.

- Your work area should have enough illumination.
- Choose the proper desk and chair and adjust their height to fit your posture when operating.
- When sitting on the chair, adjust the chair's back (if available) to support your back comfortably.
- Place you feet flat and naturally on the floor, so that your knees and elbows have the proper position (about 90-degree) when operating.
- Put your hands on the desk naturally to support your wrists.
- Adjust the angle/ position of the Wind Box DE500/ DC500 to have an optimal view.
- Avoid using your PC in a place where discomfort may occur (such as on the bed).
- The Wind Box DE500/ DC500 is an electrical device. Please treat it with great care to avoid personal injury.
- 1. Keep your hands and feet with optimal comfort.
- 2. Adjust the angle and position of the monitor.
- 3. Adjust the desk's height.
- 4. Sit straight and keep a good posture.
- 5. Adjust the chair's height.

# HAVING GOOD WORKING HABITS

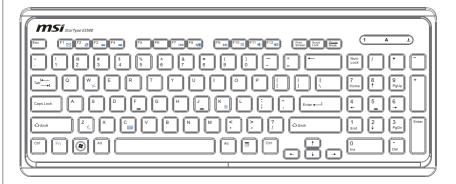
Having good working habits is important if you have to work with your Wind Box DE500/ DC500 for long periods of time; otherwise, it may cause discomfort or injury to you. Please keep the following tips in mind when operating.

- Change your posture frequently.
- Stretch and exercise your body regularly.
- Remember to take a break after working for a period of time.



# KNOWING THE KEYBOARD (OPTIONAL)

Wind Box DE500/ DC500 packs with a wired or wireless (optional) keyboard that helps your control of the system.



#### Specifications

- Compatible with EU/UK/US/JP/KR language layout
- Isolated keycap for easy typing
- Low profile with silk printing technology
- USB interface for all Windows® OS
- Keystroke life: 12 million
- Dimensions: 376.4 (L) X 155.09 (W) X 21.91 (H) mm
- Cable Length: 150cm
- Weight: 440g

#### Features

- Multimedia function keys with PC
- New isolated keycap for easy typing
- Soft-touch and tactile feedback for comfortable typing
- New concept elegant and slim keyboard in streamline shape
- Compact size for space saving
- Especially fit for MSI LCD display
- Compatible with Windows® 2000/ ME/ XP/ Vista/ 7
- Built-in function hot keys
- Access favorite websites and applications with one touch hot keys

<sup>\*</sup> The illustration of keyboard is for reference only. Actual product specifications may vary with territories.

## ▶ Multimedia Keys

Fn F7 H4	Fn + F7	Backward to previous track
Fn F8 MI	Fn + F8	Play and pause
Fn F9 bH	Fn + F9	Forward to next track
Fn F10 ×	Fn + F10	Mute function
Fn F11 📢	Fn + F11	Volume down
Fn F12 (F12 (II))	Fn + F12	Volume up

## ► Hot Keys

Fn F1 🖂	Fn + F1	Launch the default E-Mail applications
Fn F2 @	Fn + F2	Lanuch the default internet browser and go to the default home page
F3 (=)	Fn + F3	Back to the previous web page
Fn F4	Fn + F4	Forward to the next web page
Fn C	Fn + C	Calculator
Fn Z	Fn + Z	Sleep mode (energy saving)
Fn W %	Fn + W	Wireless LAN
Fn K	Fn + K	Camera



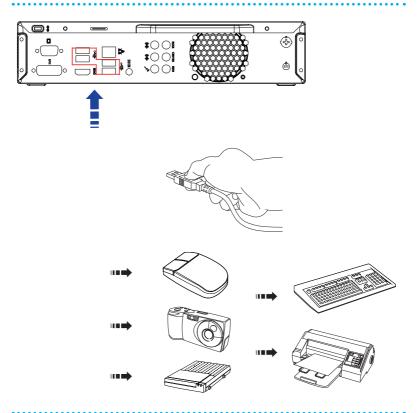
## CONNECTING PERIPHERAL DEVICES

The I/O (input/output) ports on the rear panel allow you to connect peripheral devices. All devices listed here are for reference only.



# Connecting the USB Devices

This Wind Box DE500/ DC500 provides USB ports for connecting various USB devices, such as mouse, keyboard, digital camera, webcam, printer, external optical storage device,.. and etc. To connect these devices, install the drivers for each device first if necessary, and then connect the device to the Wind Box DE500/ DC500. This Wind Box DE500/ DC500 is capable of auto detecting the USB devices installed, and if there is no detection of the devices, please manually enable the USB devices by going to Start Menu / Control Panel / Add Hardware to add the new device.

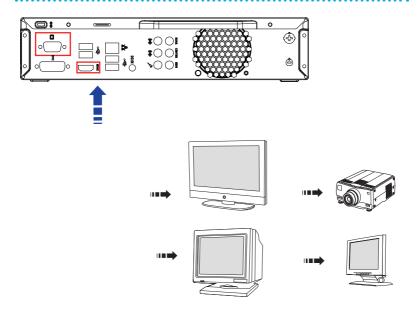




## Connecting the External Display Devices (Optional)

This Wind Box DE500/ DC500 provides a VGA port for connecting a larger display with higher resolution. The 15-pin-D-sub VGA port allows users to connect an external monitor or other standard VGA-compatible device (such as a projector) for a great view of the Wind Box DE500/ DC500 display.

This Wind Box DE500/ DC500 provides a HDMI port for connecting a larger display with higher resolution. HDMI (High Definition Multimedia Interface Support) is a new interface standard for PCs, displays and consumer electronics devices that supports standard, enhanced and high-definition video, plus multi-channel digital audio on a single cable.



To connect the external display, make sure the Wind Box DE500/ DC500 and the external display are both powered off, and then connect the display to the Wind Box DE500/ DC500.

Once the display is connected to the Wind Box DE500/ DC500, power on the Wind Box DE500/ DC500 and the external display should respond by default. If not, you can switch the display mode by pressing [Fn]+[F2]. Alternately, you can change the display mode by configuring the settings in Display Properties of Windows operating system.

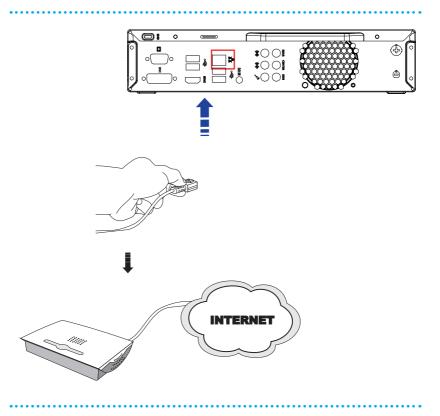




# Connecting the Network Device

The RJ-45 connector of the Wind Box DE500/ DC500 allows you to connect the LAN (local area network) devices, such as a hub, switch and gateway, to build a network connection.

For more instructions or detailed steps on connecting to the LAN, please ask your MIS staff or network manager for help.

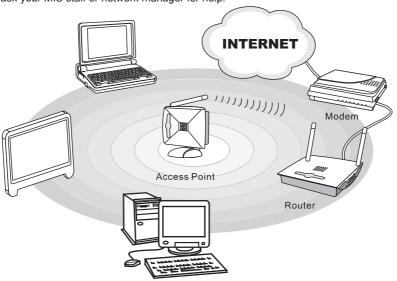


## Wireless LAN (Optional)

This Wind Box DE500/ DC500 is equipped with wireless LAN module which allows users to perform fast data transmission with standard IEEE 802.11 technology for wireless LAN. This gives users the mobility to move around within a broad coverage area and still be connected to the network.

By using the 64-bit/128-bit Wired Equivalent Privacy (WEP) encryption technology and Wi-Fi Protected Access feature, the optional built-in wirelesses LAN is capable to achieve a more efficient and a more secure solution to the wireless communication

For more instructions or detailed steps on connecting to the Wireless LAN, please ask your MIS staff or network manager for help.





## ABOUT HARD DISK DRIVE

Your Wind Box DE500/ DC500 is equipped with a 3.5-inch hard disk drive. The

hard disk drive is a storage device with much higher speed and larger capacity than other storage devices, such as the floppy disk drive and optical storage device. Therefore, it is usually used to install the operating system and software applications.

To avoid unexpected data loss in your system, please backup your critical files regularly.

Do not turn off the Wind Box DE500/ DC500 when the hard disk In-use LED is on.

Do not remove or install the hard disk drive when the Wind Box DE500/ DC500 is turned on. The replacement of hard disk drive should be done by an authorized retailer or service representative.

## CONNECTING POWER



## Connecting the AC Power

- Step 1. Unpack the package to find the AC/ DC adapter and AC power cord.
- Step 2. Assemble the AC/ DC adapter and the AC power cord.
- Step 3. Plug the DC end of the adapter to the Wind Box DE500/ DC500, and the male end of the AC power cord to the electrical outlet.

## Important

We suggest that you connect the AC/ DC adapter to your Wind Box DE500/ DC500 first and then connect the AC power cord to the socket-outlet for safety concerns.

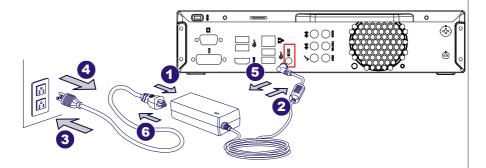


# Disconnecting the AC Power

- Step 4. Unplug the AC power cord from the electrical outlet first.
- Step 5. Unplug the connector from the Wind Box DE500/ DC500.
- Step 6. Disassemble the AC power cord and the AC/ DC adapter.

## **Important**

When unplugging the AC power cord, always hold the connector part of the cord. Never pull the cord directly!





# Chapter 3 System Operations

This chapter provides you with essential information on system operations, such as system boot setup, recovery disk creation, network connection, SRS Premium Sound, and so on.

# **Important**

- It is highly recommended that you create a system recovery disk as the backup solution in the event of a catastrophic disk failure or other accidents.
- · All information is subject to change without prior notice.



# SYSTEM BOOTING SETUP FOR THE FIRST TIME

For the first-time use, you will need to go over the following steps to start using your Wind Box Series PC. The entire booting setup will take you around 30 minutes.

- Step 1. Windows setup starts running. Please wait until Windows setup finishes the progress loading.
- Step 2. Select the language of the operating system and click [Next] to continue.
- **Step 3.** Choose the "Country or region", "Time and currency", and "Keyboard layout" you need. Click [Next] to continue.
- **Step 4.** Choose a user name for your account and name your computer to distinguish it on the network. Click [Next] to continue.
- Step 5. Set a password for your account to protect your user account from unwanted users. (Leave this field blank if no need for password.) Click [Next] to continue.
- Step 6. Please read the license terms. Check the "I accept the license terms" box and click [Next] to continue.
- Step 7. Select [Use recommended settings] for "Help protect your computer and improve Windows automatically."
- Step 8. Review your time and date settings. Click [Next] to continue.
- Step 9. Please choose a wireless network you intend to join from the provided WLAN list. Click [Next] to continue. You may also click [Skip] to skip this step and set up the WLAN later.
- Step 10. Followingly comes the anti-virus software screen. Click [Agree] to accept the license agreement terms and activate the anti-virus software. Alternatively, choose [No, I do not want to protect my PC.] to proceed without activating the anti-virus software.
- Step 11. The "Software Installation Menu" pops up. Click [Install] to continue.
- Step 12. The software is being installed. Please do not turn off the computer when software installation is running. When the progress bar completes loading, click [Finish] to continue.
- Step 13. The system enters the Windows 7 OS to start its personalized settings.

  Get ready to explore your PC after the personalized settings are done.

  Have fun with it!

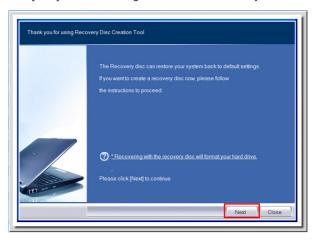
# CREATING SYSTEM RECOVERY DISK

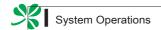
For the first-time use, it is highly recommended that you create a system recovery disk as the backup solution in the event of a catastrophic disk failure or other accidents. Before moving forward, please make sure your system booting setup is complete and go over the following procedures to get it done.

Step 1. Double-click the "BurnRecovery" icon on the desktop to launch the Recovery Disc Creation Tool. Please note that it may take a while for the operating system to prepare recovery files.



Step 2. Click [Next] to start the image creation of the recovery disk.





**Step 3**. Select [Create and burn a recovery disk] and click [Next] to continue. Alternatively, choose [Advanced] to bring forth advanced options.



Choose between the provided options and click [Next] to continue.

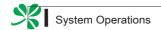


**Step 4**. The progress bar starts running to create the image of recovery disk. It takes some time to finish the processing.

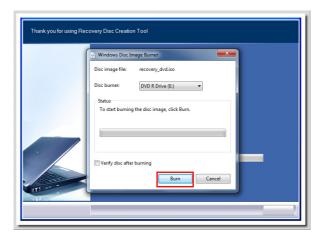


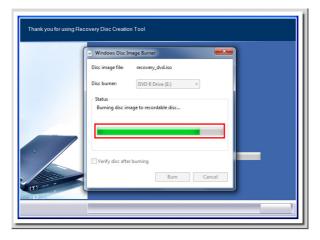
Step 5. Follow the on-screen instructions to prepare enough number of blank DVD disks. Insert the blank DVD disk into the optical disk drive and click [Next] to continue.



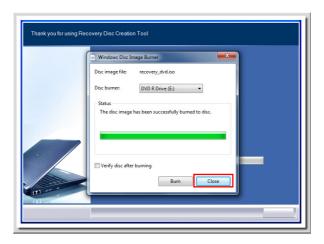


**Step 6**. The Windows Disc Image Burner pops up. Click [Burn] to start the burning progress. It takes a while to finish the processing.

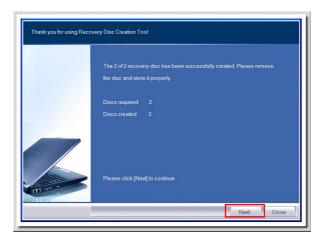


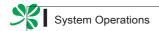


Step 7. On completion of the disk creation, click [Close] to exit and take out the disk. Follow the on-screen instructions to create all recovery disks.

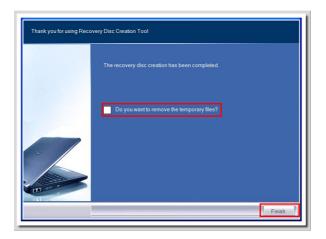


**Step 8**. All recovery disks have been successfully created. Please store the disks carefully and click [Next] to continue.





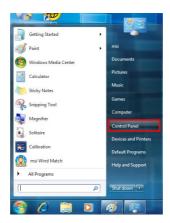
Step 9. Check the following box if you want to remove the temporary files. Click [Finish] to complete recovery disk creation.



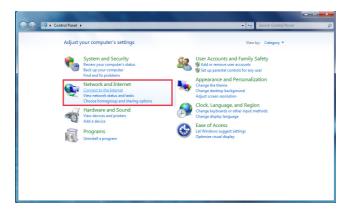
# NETWORK CONNECTION UNDER WINDOWS 7

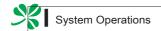
# Wired LAN

Step 1. Go to [Start] > [Control Panel].

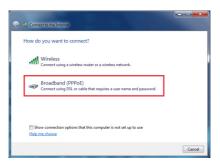


Step 2. Select [Connect to the Internet] under [Network and Internet].





Step 3. Select [Broadband (PPPoE)] to connect using DSL or cable that requires a user name and password.



**Step 4**. Type the information from your Internet Service Provider (ISP) and click [Connect] to establish your LAN connection.

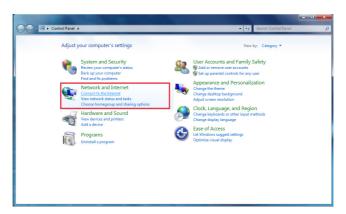


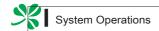
# Wireless LAN

Step 1. Go to [Start] > [Control Panel].

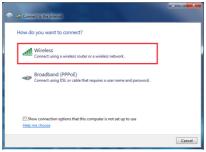


Step 2. Select [Connect to the Internet] under [Network and Internet].





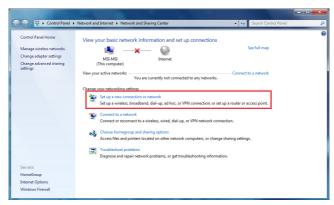
Step 3. Select [Wireless] to connect using a wireless router or a wireless network.



Step 4. A list of available WLAN connections pops up. Choose a connection from the list or click [Open Network and Sharing Center] to establish a new connection.



Step 5. To establish a new WLAN connection, select [Set up a new connection or network] in [Network and Sharing Center].



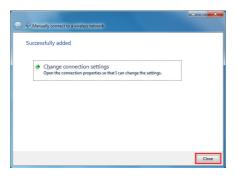
Step 6. Followingly, choose [Manually connect to a wireless network] and click [Next] to continue.

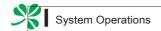


Step 7. Enter information for the wireless network you intend to add and click [Next] to proceed.



Step 8. A new WLAN connection has been made. Click [Close] to exit or select [Change connection settings] to modify the WLAN settings.



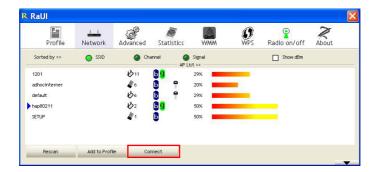


# RALINK WIRELESS LAN CONNECTION (OPTIONAL)

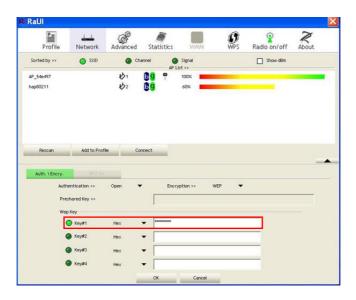
Step 1. Right-click the Ralink Wireless LAN Card status icon in the lower right corner, and then click Launch Config Utility.



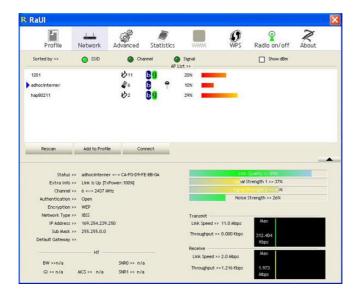
**Step 2**. The window displays some available wireless networks. Choose a network, and then click Connect.



Step 3. There may prompt you to enter a key. Type the network key and then click OK.



Step 4. Now, you're ready to browse the Web wirelessly.



# SRS PREMIUM SOUND (OPTIONAL)

SRS Premium Sound is a comprehensive suite of state-of-the-art audio technologies that deliver a superior entertainment experience for playback of music, video and game content on the PC. With SRS Premium Sound your audio entertainment experience will sound better - more natural and immersive, with deeper bass, clearer dialog and outstanding surround sound.



#### Features:

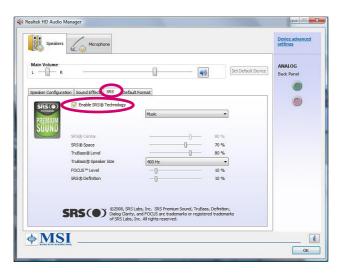
- Premium audio experience for music, video and games on the PC
- Immersive surround sound experience from internal or external speakers and even headphones
- Greater volume without degrading audio quality
- Crystal clear dialog
- Deep, rich bass

### Using the SRS Premium Sound

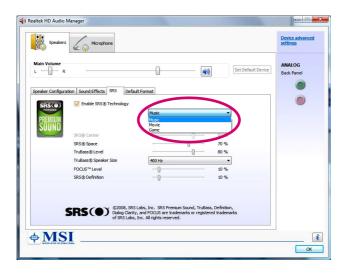
Step 1. Double-click the Realtek HD Audio tray icon at the lower right corner of the screen to launch the SRS Premium Sound.



Step 2. The Realtek HD Audio Manager pops up. Click the SRS tab and check the "Enable SRS® Technology" box.



Step 3. Choose the audio content you are listening to. The SRS Premium Sound will automatically process the specified audio signals to deliver enhanced audio performance.

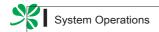


**Step 4**. The following settings allow for specific control of SRS tuning parameters and are provided for External Speakers and Headphones.



- SRS Center: adjusts the center-channel sound
- SRS Space: adjusts the amount and width of the sound stage
- TruBass Level: adjusts the bass or low frequencies
- TruBass Speaker Size: should be used to select the size of the speakers
- Focus Level: adjusts the frequencies that include vocals/voice
- SRS Definition: adjusts the high frequencies

CAUTION: These settings are very sensitive and should be used by advanced users.



## POWER MANAGEMENT

Power management of personal computers (PCs) and monitors has the potential to save significant amounts of electricity as well as deliver environmental benefits.

To be energy efficient, turn off your display or set your PC to sleep mode after a period of user inactivity.

#### Power Management in Windows OS

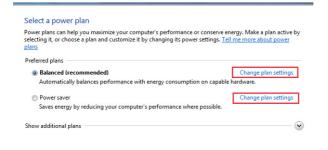
[Power Options] in Windows OS allow you to control the power management features of your display, hard drive, and battery. Go to [Start] > [Control Panel] > [System and Security].



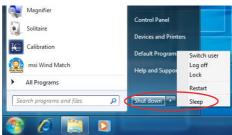
Then click on the [Power Options] link.



Select a power plan that suits your personal needs. You may also finetune the settings by clicking [Change plan settings].



The Shut Down Computer menu presents the options of Sleep (S3/S4)
 & Shut Down (S5) for rapid and easy management of your system power.



#### Waking the System Up

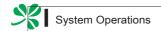
The computer shall be able to wake up from power saving mode in response to a command from any of the following:

- the power button,
- the mouse.
- the keyboard.



## **Energy Saving Tips:**

- Turn off the monitor by pressing the LCD power button after a period of user inactivity.
- Utilize the Fin Z (Fn + Z) sleep mode keys to turn into power saving mode
- Tune the settings in Power Options under Windows OS to optimize your PC's power management.
- Install power saving software to manage your PC's energy consumption.
- Always disconnect the AC power cord or switch the wall socket off if your PC would be left unused for a certain time to achieve zero energy consumption.



## SYSTEM RECOVERY

The purposes for using the System Recovery Function may include:

- Restore the system back to the initial status of original manufacturer's default settings.
- When some errors have occurred to the operating system in use.
- When the operating system is affected by virus and is not able to work normally.

Before using the System Recovery Function, please backup the important data saved on your system drive to other storage devices.

If the following solution fails to recover your system, please contact the authorized local distributor or service center for further assistance.

#### Recover the System with the F3 Hotkey

If the system encounters non-recoverable problems, it is always recommended that you try the F3 hotkey to recover your system with the recovery partition of the hard disk drive first.

Follow the instructions below to continue:

- 1. Restart the system.
- 2. Press the F3 hotkey on the keyboard when the following image appears.



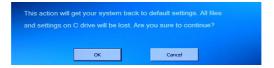
3. Select [Windows Setup] from the Windows Boot Manager menu.



4. Select [MSI Recovery Manager] to start the System Recovery Function; or select [EXIT] to restart the system.



The System Recovery Function will get your system back to default settings. Press [OK] to confirm.



Press [OK] to reconfirm and start the System Recovery Function. Alternatively, press [Cancel] to stop.





7. The System Recovery Function is proceeding now.



8. The following message indicates successful system recovery. Press [OK] to reboot the system and access Windows operating system as usual.



#### Recover the System with the Recovery Disk

If your system is equipped with an optical disk drive or an external one, you may perform the System Recovery Function with the Recovery Disk that you created earlier.

Follow the instructions below to continue:

- Insert the Recovery Disk into the optical disk drive and restart the system by pressing the Power button.
- 2. Press the F11 hotkey on the keyboard when the following image appears.

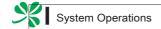


Select the [CD/DVD] device as the boot device and press [Enter] to confirm
the selection. Press any key to reconfirm the selection when the prompt
message of [Press any key to boot from CD or DVD...] appears.

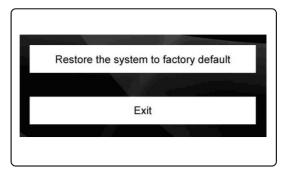


4. The Language Menu appears. Select the language you prefer or select [EXIT] to restart the system.

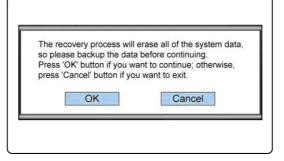




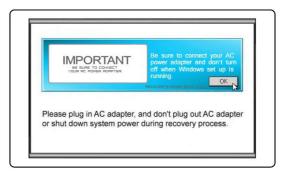
5. Select [Restore the system to factory default] to start the System Recovery Function process; or select [EXIT] to restart the system.



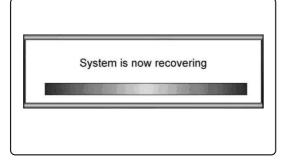
6. The system recovery process will format your hard disk drive partition. Make sure that the important data has been backed up before continuing the process. Click [OK] to continue; click [Cancel] to stop the system recovery process.



AC power is required while proceeding the System Recovery Function. Assure that the AC power is connected to the system before moving forward to the next step.



8. DO NOT turn off the system power while performing the System Recovery Function, or it may cause some unknown damage to the system.





9. When the system recovery process is finished, please click [OK] to restart the system. Now, your system is restored to its factory default setting. Recovery is now complete. Please restart the system. OK 10. If the recovery process is interrupted or failed, please repeat recovery procedure from the beginning. The system recovery file does not exist, and it might be already removed. If this is the first time you use this system, please contact your local distributor for further help.